

19991104.ba v02\_n720.bam.991104

>From ???@??? Fri Nov 05 05:21:58 1999  
Message-Id: <199911041408.dA4E8ew05468@sco.theporch.com>  
Date: Thu, 4 Nov 1999 08:08:22 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2720

BOATANCHORS Digest 2720

Topics covered in this issue include:

- 1) Scope Question:  
by jmccarty@lucent.com (John J Mccarty)
- 2) Softer bite!  
by MODSTEPH@ACS.EKU.EDU
- 3) Re: Help ID gear, WGAO shipboard  
by Neal McEwen <nmcewen@metronet.com>
- 4) Re: Scope Question:  
by Arden Allen <gumbear@pacbell.net>
- 5) Re: pre-war "Trav-Ler" radio  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 6) Trav-Ler model 53  
by Peter McCollum <saipan59@juno.com>
- 7) National ONE-TEN FS  
by John jack M Iverson <jackiv@juno.com>
- 8) Fw: National ONE-TEN FS  
by John jack M Iverson <jackiv@juno.com>
- 9) RE: sweep generators  
by Mark Pilant <n1vqw@arrl.net>
- 10) Grid Clip needed  
by Ron Hershey <rhershey1@uswest.net>
- 11) Re: Trav-Ler Radio  
by Jderm740@aol.com
- 12) TCU CG-20122  
by "D. Reaves" <dr@cei.net>
- 13) RE: sweep generators  
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 14) MLA 2500 Knobs & Lamps  
by "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>
- 15) Sic Transit Gloria Tech America  
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 16) Re: Grid Clip needed  
by lurch <lurch@theramp.net>
- 17) RE: sweep generators  
by "James C. Garland" <4cx250b@miavx1.acs.muohio.edu>
- 18) FS WW2 British sets

- by "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
19) RE: sweep generators  
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
20) RE: pre-war "Trav-Ler" radio  
by "Katz, Gene S" <gene.s.katz@lmco.com>  
21) Converting Impedances, was RE: sweep generators  
by "Roberta J. Barmore" <rbarmore@indy.net>  
22) pre-war "Trav-Ler" radio  
by Richard Post <post@ouvaxa.cats.ohiou.edu>

-----  
From: jmccarty@lucent.com (John J Mccarty)  
Date: Wed, 3 Nov 1999 17:21:43 -0600 (CST)  
Message-Id: <199911032321.RAA21559@nwsgpb.ih.lucent.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Scope Question:

Group;

I picked up a Tek 515A scope this summer, but did not get the manual (see earlier post). Also all the probes I got with it were for something else. I took me a while to un-knot the mess to find this out. The only probe I got that looks like it belongs to the scope (3M surplus) was a P6006 BNC 3.5 10X, and its missing it's tip (end has a brass bolt and nut). A friend of mine gave me an extra of his, a P6106 10X probe. Would this probe make a good replacement for the orginal ??? Sure is a lot smaller and should be easier to get into tight spots.

Tnx + 73

John n9hrt  
jmccarty@lucent.com

-----  
Date: Wed, 03 Nov 1999 19:07:54 -0500 (EST)  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Softer bite!  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <01JHWTQAIBJC000MK6@ACS.EKU.EDU>

MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

It's done!

You might recall the Lysco 600 with 450 volts on the key from "repairs" and "modifications. Over the last few days I finally got it figured out (decided that I was NOT just going to pass it along, a deathtrap waiting to close on the unwary). Couple of things included the discovery that there are two different RF wirings for the Lysco 500/600 (and "S" models), and that the one I was working with was the newer one - and I had the older schematic.

That taken care of helped a bit, and re-doing the critter a la the newer schematic got it up and going - with about 70 volts on the key (grid block keying - one of the "changes" had been replacing the dropping resistor across the key with a disc capacitor - effectively presenting an open circuit to ground at that point). Few other corrections, one new filter cap set-up, and voila!

For a rig that first came out in 1950 it is an amazingly stable one, and keying is chirpless (key all three stages, oscillator, mult/buffer, final: two 6AG7's to an 807). All bands 10 thru 160, good vfo (which can be used to "bend" xtals when xtal control is selected), and with a little tweaking 30 watts out. Two controls (not counting ON-OFF and VFO-XTAL switches): VFO and plate tuning. Simple, easy, works!

So another rig restored, frying danger from key much reduced, and a good mental challenge!

73, Al N5AIT

-----  
Message-ID: <3820D284.40441CB6@metronet.com>  
Date: Wed, 03 Nov 1999 18:25:40 -0600  
From: Neal McEwen <nmcewen@metronet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@sco.theporch.com, Jack Lally <w1hdc@telplus.net>, Doug Penisten <penisten@cherokee.nsuok.edu>, Will Jensby <W0EOM@aol.com>, "Waldo T. Boyd" <wboyd@netdex.com>, Ted Phelps <w8tp@juno.com>, Denice Stoops <dastoops@sprynet.com>, Jack Martini <kingfalli@email.msn.com>, Ray C Smith <RCARAY@aol.com>, "David J. Ring, Jr." <n1ea@gis.net>  
Subject: Re: Help ID gear, WGAO shipboard  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Friends,

Thanks to Thomas White, William Donzelli and Chuck, N7RHU, part of the WGAO mystery has been solved. Ref.

[http://www.metronet.com/~nmcewen/megastage/WGAO\\_shipboard.jpg](http://www.metronet.com/~nmcewen/megastage/WGAO_shipboard.jpg)

The callsign WGAO was first issued to the "W. S. Rheem" in 1919, a tanker built in Alameda in 1918. In 1921, the ship changed its name to "Shreveport" with the owner being Cities Service (now Citgo). In 1929 the ship changed its name again to "Koolmotor". All the while it retained the callsign WGAO.

I went back and looked at the stack of photos. There are two photos of Cities Service tankers, the "Denver" and the "Koolmotor". The date on the back of the "Koolmotor" photo is July 1940. I assume that the photos made of the radio room are very close to this date.

On the left of the photo, the tall piece with the big dial is a RMCA transmitter ET-8002 or ET-8002-A covering the frequency 8.2-17.1 MHz @ 150W. The tube line up is simple - three 860s.

I am still trying to ID the other pieces of equipment. Any help appreciated. I will post photos of the "Koolmotor" and the operator standing in front of the WGAO receivers if anyone wants to see them. The operator was my very good friend Harry Lord. He was a sparks from 1917 to the early 40s. He had very engaging stories of dodging U-boats during W.W.I. and hearing Arlington, VA over half way across on a carborundum detector.

--

73 de K5RW, Neal McEwen, at "The Telegraph Office", [nmcewen@metronet.com](mailto:nmcewen@metronet.com)  
A WWW Page for Telegraph Key Collectors and Historians  
[http://www.metronet.com/~nmcewen/tel\\_off.html](http://www.metronet.com/~nmcewen/tel_off.html)

-----  
Date: Wed, 03 Nov 1999 16:38:26 -0800  
From: Arden Allen <[gumbear@pacbell.net](mailto:gumbear@pacbell.net)>  
Subject: Re: Scope Question:  
To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Message-id: <0FKN00FNQDSBVT@mta4.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Jim;

> .....A friend of mine gave me an extra  
> of his, a P6106 10X probe. Would this probe make a good  
> replacement for the original ??? .....

As long as you can adjust the probe compensation adjustment (on the probe) to get a rectangular square wave response you are OK with any probe. The 515 has only 15 MHz bandwidth and therefore it is not critical with respect

to which probe you use.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Wed, 3 Nov 1999 18:58:35 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: pre-war "Trav-Ler" radio  
Message-ID: <Pine.OSF.3.96.991103185731.10475A-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wasn't Travler the brand sold by Montgomery Wards? We had an AA-5 of that brand in the kitchen for years.

"Nostalgia is a thing of the past"  
E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-4222

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 3 Nov 1999 18:52:41 -0700  
Subject: Trav-Ler model 53  
Message-ID: <19991103.185243.-85373.2.saipan59@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: Peter McCollum <saipan59@juno.com>

That Trav-Ler radio I asked about earlier today is a model 53.  
Tubes are: 6D6, 6A7, 80, 76, 42.

Pete

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: hberry31@aol.com, aw288@osfn.org, FHOX@juno.com, K9gdt@STARNETUSA.net  
Date: Wed, 3 Nov 1999 18:37:16 -0600  
Subject: National ONE-TEN FS

Message-ID: <19991103.203457.-327741.3.jackiv@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: John jack M Iverson <jackiv@juno.com>

the above,restored, recapped, new bias battery. works good.  
one set coils, the "B" 2 meter coverage. Tubes good. no p/s.  
needs spec supply, normal HRO supply voltage too high. will  
sell cash or trade. in the \$140.00 range.  
HFS coils should work. old jack

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 3 Nov 1999 20:56:25 -0600  
Subject: Fw: National ONE-TEN FS  
Message-ID: <19991103.205626.-327741.5.jackiv@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: John jack M Iverson <jackiv@juno.com>

this was sent out as from "owner" by mistake sorry all ---- stupid jack  
Jack Iverson K0EWU jackiv@juno.com  
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA,CCA

----- Forwarded message -----  
From: <owner-boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: hberry31@aol.com, aw288@osfn.org, FHOX@juno.com,  
K9gdt@STARNETUSA.net  
Date: Wed, 3 Nov 1999 18:37:16 -0600  
Subject: National ONE-TEN FS  
Message-ID: <19991103.203457.-327741.3.jackiv@juno.com>

the above,restored, recapped, new bias battery. works good.  
one set coils, the "B" 2 meter coverage. Tubes good. no p/s.  
needs spec supply, normal HRO supply voltage too high. will  
sell cash or trade. in the \$140.00 range.  
HFS coils should work. old jack

-----  
Message-ID: <3820F6D2.5D4DF418@arrl.net>  
Date: Wed, 03 Nov 1999 22:00:34 -0500  
From: Mark Pilant <n1vqw@arrl.net>  
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: sweep generators  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Richard, I have several sweep generators, all HP. For general HF work, I think you would find the 8601 the most useful. It covers 100kHz to 110MHz in two ranges: 100kHz - 11MHz and 1MHz to 110MHz.. Although it is all solid state.

Another choice is the 8690. This has several plugins available which will allow you to sweep from about 500kHz to 40GHz (or so). The mainframe is hollow state, as are most of the plugins. Most plugins use a BWO for frequency generation. The exception are the 8698 and 8699 plugins. These two will allow you to sweep from 500kHz to 4GHz; although they are solid state.

My final sweeper is an 8620. This is all solid state, and the biggest advantage (for me) is it is smaller than the 8690. Although it doesn't really offer any more features. Also, the plugins tend to be quite a bit more expensive than the 869x plugins.

I expect the 8690 will be the most inexpensive, followed by the 8601, and the 8620 will be the most expensive.

I hope this helps.

73

- Mark N1VQW

-----  
Message-ID: <3820FEF3.DBC972C3@uswest.net>  
Date: Wed, 03 Nov 1999 19:35:15 -0800  
From: Ron Hershey <rhershey1@uswest.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Grid Clip needed  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all:

At the recent Rickreal hamfest I picked up a Hickcock tube tester model AC 47-TS. This is a very early (1933/34) dynamic tube tester that only tests four and five pin tubes such as types 24, 26, 27, etc. The TS at the end of the part number indicates Hickcock made this tester for Tung-Sol.

It's in really good shape except the grid clip was replaced by a battery charger clip. Does anyone have a grid clip that is insulated (I'm trying to keep it close to original) and fits type 24 tubes? The cap appears to be about 3/8ths in diameter.

Thanks,  
Ron Hershey

-----  
From: Jderm740@aol.com  
Message-ID: <0.a727d01b.25525c3f@aol.com>  
Date: Wed, 3 Nov 1999 22:49:19 EST  
Subject: Re: Trav-Ler Radio  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: saipan59@juno.com  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Pete

If you can find a model number I may be able to provide a schematic. I have a lot of Riders books, but not all of them.

Jack McDermott        Jderm740@aol.com

-----  
Message-ID: <028201bf2690\$af7527a0\$503866a6@djrr>  
From: "D. Reaves" <dr@cei.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: TCU CG-20122  
Date: Thu, 4 Nov 1999 00:48:51 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In my shop is the power supply for Navy TCU transmitter serial # 1.  
All I know about the TCU is from the nomenclature tag on the rear of



the rectifier unit, indicating:

Radio Transmitting Equipment		
	Model	TCU
Output	Emission	Fq. Range
125W	CW(A1)	300-2000KC
30W	MCW(A2)	300-2000KC

Consisting of units  
CG-52205 1F Transmitter  
CG-20122 Rectifier  
CG-23241 Control Unit

Contract 48078 date 28 April 1938. General Electric.

On the front of the rectifier unit a tag says

CG-20122, a unit of TCM-TCN-TCU  
serial 71  
250 lbs.

Another tag says "Accepted by the Government 7 8 42"

Another tag says "Restored by Puget Sound Naval Shipyard"

So does anyone know anything about the TCU transmitter?  
Does anyone have a TCU in need of a matching supply?  
It needs cleaning, one meter replaced, and a great deal of respect.  
I refuse to let it be scrapped out and it really needs a new home.

Don Reaves WA5BBS dr@cei.net  
R-390 military radio list manager

-----  
Message-Id: <3.0.5.32.19991104080409.007fecc0@212.25.129.11>  
Date: Thu, 04 Nov 1999 08:04:09 +0100  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: RE: sweep generators  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

First a short story about my sweep generators... Last year (summer 1998) I

got my first HP-8601A sweeper. I bought it knowing that it didn't work. But I got it cheap (\$95). Well, in fact it didn't work and, after getting a manual photocopy and doing some checkings (BTW, what a nice manual!), I realized that the problem was in the output amplifier, which is worth at least \$60 :-(. Well, then I started to look for a replacement amplifier. Asked in the Newsgroups, in this List and in some other... And got a lot of kind messages. One of them offered up to three 'parts units'... at \$50 each or all for \$120!!!!. My first 8601A was of the 50 Ohm output impedance type. The three 8601As offered were two 75 Ohm and one 50 Ohm. Well, I went for the three ;-). Of course, working condition was unknown (the seller told me they were 'as received', not checked) but I thought it was worth a try. Upon arriving I found some interesting things: an original (and almost unused!) manual was included. Three NOS power cords were also in the boxes. Cosmetical condition was also very good in the three units. And calibration dates were from 4 to 2 years old. Not bad!. So I checked them... and ALL worked fine!!!!. My three 'parts units' were in fact three working units :-) :-)!!!!

After that, I sold locally (in Spain) one of the 75 Ohm units and kept my 50 Ohm unworking unit (now as a parts unit for the other two) and one 50 Ohm and one 75 Ohm, which are now used to align my Boatanchors (here is the connection :-)!) )

Summing up... I was a lucky boy!

On the technical side, I find the HP8601A very good when used as a sweeper. But if you want to use it as a straight signal generator... you need a good pulse!. Getting the exact desired frequency is not easy. BTW, I have it connected with my HP5328A counter and they form a nice setup.

As a straight RF generator, I prefer to use my TUBED :-) Philips GM-2883 (well, in fact I have a couple of them). It goes from 70kc to 30Mc in 6 bands. It has a large round dial (bigger than a CD-ROM), uses 9 tubes and generates a 'perfect' sinusoid. It has also a nice attenuator to get into the microvolt range. To use it as a sweeper there is an special unit (external) but I don't have it.

I have also an Exact 507B sweeper (solid state!) which goes from audio frequencies to 5MHz but this is not comparable to the HP quality, although is nice to sweep at audio frequencies to check audio transformers, amplifiers, ...

Best regards,

JOSE

-----  
73 EB5AGV / EC5AAU  
JOSE V. GAVILA

Benetusser - VALENCIA (SPAIN)

\*\* VISIT MY VINTAGE RADIO SITE - updated 21-October-1999 \*\*\*

<http://www.geocities.com/SiliconValley/6992/>

EuroBA eGroup: [http://www.eGroups.com/list/euro\\_ba\\_swap](http://www.eGroups.com/list/euro_ba_swap)

ICQ 43817777

-----  
Content-return: allowed

Date: Wed, 03 Nov 1999 14:48:32 -0500

From: "Wilkowski, Joseph" <Joseph.Wilkowski@usa.xerox.com>

Subject: MLA 2500 Knobs & Lamps

To: Old Tube Radios <boatanchors@theporch.com>

Message-id:

<8B049D471C61D111847C00805FA67B1C029C520B@usa0129ms1.ess.mc.xerox.com>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Ok, I admit this isn't a real "old" BA but because of the cost of the tubes in this jewel, most of these amps have been scrapped or relegated to parts for future products. Having then justified this post, I am in need of a bandswitch knob complete with the aluminum insert. I also need both the red and green front panel pilot lamps.

Happy to pay a fair tariff ...

Thanks, & 73's

/joe k8fc

-----  
Date: Thu, 4 Nov 1999 06:54:09 -0500

From: polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)

Message-Id: <199911041154.GAA03073@aaa4rm.ba-watch.org.>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: will@dwcs.com

Subject: Sic Transit Gloria Tech America

It's now RadioShack.com

80% of the floorspace formerly devoted to gondolas of parts & pcb-board kits, etc. has fallen prey to lavish showrooms of high-finish house-branded consumer electronics. Sales staff has trouble discerning between an isolation xfrm and a wiper blade.

expletive deleted.

I know, I know, they're in business. It's kind of a social commentary, Today's "hi-techs" don't wanna know why or how - they want results NOW! Plug-'n-pray!!

Lookit the computer biz. Thinking has given way to procedural reaction & if you look like you're devoting that to something you've failed to be a "team player."

Grumble, pneumph, harrug.

M

(some shelf space still given to Alinco blister-pack ham-jobs)

-----  
Message-ID: <38217C1F.6336357B@theramp.net>  
Date: Thu, 04 Nov 1999 06:29:19 -0600  
From: lurch <lurch@theramp.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Grid Clip needed  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Can't help you on the large clip, but I am reminded that the crimp-on connector for the neutral switch terminal on a 4-speed Harley Big Twin fits the grid cap on smaller tubes like a 6K8...some of 'em anyway...73  
de ka9egw

Ron Hershey wrote:

>  
> Hi all:  
>  
> At the recent Rickreal hamfest I picked up a Hickcock tube tester model  
> AC 47-TS. This is a very early (1933/34) dynamic tube tester that only  
> tests four and five pin tubes such as types 24, 26, 27, etc. The TS at  
> the end of the part number indicates Hickcock made this tester for  
> Tung-Sol.  
>  
> It's in really good shape except the grid clip was replaced by a battery  
> charger clip. Does anyone have a grid clip that is insulated (I'm trying  
> to keep it close to original) and fits type 24 tubes? The cap appears to  
> be about 3/8ths in diameter.  
>

> Thanks,  
> Ron Hershey

--

-----  
Message-Id: <3.0.5.32.19991104072933.007e0660@miavx1.muohio.edu>  
Date: Thu, 04 Nov 1999 07:29:33 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "James C. Garland" <4cx250b@miavx1.acs.muohio.edu>  
Subject: RE: sweep generators  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Here's another comment on the HP 8601 sweep generator. First, Fair Radio Sales has a big pile of them in their warehouse, and will sell one for around \$300 (if memory serves me right). Unfortunately, it would be best to visit them and pick out the one you want, since many are damaged, some are 75 ohm units, etc. I'd be nervous about getting a working one, sight unseen. I bought mine there, and Phil was nice about letting me swap modules until I got a working unit, and he might still agree to that.

Secondly, the 8601 is good for some purposes, but not for others. It has two frequency ranges, 0.1 to 11 MHz, and 1 to 110 MHz. When used in the CW mode (i.e., sweep feature turned off), it puts out a nice clean signal on the lower frequency range. On the higher range, however, there is quite a bit of internal FMing of the signal, so it sounds quite raspy. This usually isn't a problem for, e.g., aligning receivers.

Also, the frequency stability isn't real great, especially for those of you raised on synthesized transceivers. After warmup, it will drift (on the high frequency range) a KHz or two over a few minutes. This is sometimes a problem in the CW mode but of no significance in the sweep mode. The drift is much smaller in the low frequency range.

The 8601 is built to 1970s lab-grade standards, which means it's beautiful inside: gold-plated circuit boards, teflon wiring with microdot -type mini coax connectors. Really a lovely piece of equipment.

In case you're unfamiliar with the HP 8601A, I'll post a photo of mine at  
<http://www.muohio.edu/~4cx250b/8601A.jpg>

73,

Jim Garland W8ZR

-----  
Message-ID: <01d401bf26c5\$df3d1bc0\$1f00a8c0@mec.dk>  
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS WW2 British sets  
Date: Thu, 4 Nov 1999 13:41:57 +0100  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_00E2\_01BF26CA.5CC002C0"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00E2\_01BF26CA.5CC002C0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I am cleaning out WS18 and WS38 without accessories.  
Drop me a line if interested

73 Rag

-----=\_NextPart\_000\_00E2\_01BF26CA.5CC002C0  
\*\*\*\*\*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
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Message-Id: <3.0.5.32.19991104141740.007fe7e0@212.25.129.11>  
Date: Thu, 04 Nov 1999 14:17:40 +0100  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: RE: sweep generators  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Jim and all the List,

I send this message to the List as I think the answer could be useful for  
somebody else.

As Jim says regarding Fair Radio 8601As:

>...Unfortunately, it would be best to  
>visit them and pick out the one you want, since many are damaged, some are  
>75 ohm units, etc.

<snip>

My question is about the 75 Ohm version in general, not only Fair Radio units... Which is the trouble with them?. As usually they go cheaper than 50 Ohm version and in some circuits (high impedance) the difference among 50 and 75 Ohm won't be big trouble, I can't see the reason to avoid them. Of course, at same price, I would get the 50 Ohm version.

Just a curiosity! (although the best is to have both types, one 50 Ohm and another 75 Ohm ;-)

Regards,

JOSE

PS: if I recall fine, internally the only differences between a 50 and a 75 model are the amplifier, attenuator and meter. So it seems possible to convert a 75 to a 50 Ohm model, changing these parts... Any thought / experience on this?

-----  
73 EB5AGV / EC5AAU  
JOSE V. GAVILA  
Benetusser - VALENCIA (SPAIN)

\*\*\* VISIT MY VINTAGE RADIO SITE - updated 21-October-1999 \*\*\*  
<http://www.geocities.com/SiliconValley/6992/>

EuroBA eGroup: [http://www.eGroups.com/list/euro\\_ba\\_swap](http://www.eGroups.com/list/euro_ba_swap)

ICQ 43817777

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Content-return: allowed  
Date: Thu, 04 Nov 1999 08:28:43 -0500  
From: "Katz, Gene S" <gene.s.katz@lmco.com>  
Subject: RE: pre-war "Trav-Ler" radio  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <40D23851A09ED211B3430000F8081AD002C74ACF@emss04m16.ems.lmco.com>  
MIME-version: 1.0  
Content-type: text/plain  
Content-transfer-encoding: 7BIT

No, Airline was the Ward's brand name, although Airline was produced by different manufacturers at different times for Ward under contract.

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Date: Thu, 4 Nov 1999 08:40:58 -0500 (EST)  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Converting Impedances, was RE: sweep generators  
Message-ID: <Pine.SUN.4.10.9911040830320.1352-100000@indy1>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gang!

For HF work, it is quite easy to build little minimum-loss matching pads to make a 75 Ohm port look like 50 Ohms and vice versa. If you have level to spare and take reasonable care in buiding the thing, it works just fine. You do have to "fudge factor" the attenuator calibration and the absolute level accuracy will suffer proportionately to how close the resistors in your matching pad are to the calculated values but for most amateur work, neither is problematic.

The math can be found in most any decent electronics handbook; it's easy but I don't use it enough to have it memorized. Pomona still makes nice little boxes with connectors already mounted, and they can often be scrounged at hamfests. Or you can do nice work with copper or brass tubing and standard connectors. A really careful job will be okay through low VHF; beyond that point you need some very custom resistors to keep the Z constant. (Or chip resistors and microstrip, which can be fun but is a bit off-topic).

Many of the pad manufacturers sell these as standard items. Expect to pay lab-grade pad prices, however!

73,  
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore  
FISTS #3388 \* G-QRP #10001 \* ARRL \* RSGB \* WIA  
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

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Message-Id: <v03007802b447409fb620@[132.235.46.14]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Thu, 4 Nov 1999 09:06:48 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Richard Post <post@ouvaxa.cats.ohiou.edu>



Subject: pre-war "Trav-Ler" radio

Pete,

I checked my Mallory/Yaxley encyclopedia last night. TravLer made a bunch of prewar radios including several that used the 80 for a rectifier. Since I just saw that you followed up with a model number, I'll check my Riders. The Mallory/Yaxley is great for narrowing down the model number by way of the tube complement if the model number is not directly known.

73 de Rich

>

>Anyone have info on a pre-war (about 1937) "Trav-Ler" radio,  
>3-band (AM/SW/SW), wood, tabletop, upright 'tombstone' style?  
>I haven't found any info on Trav-Ler's made before about 1945...  
>BTW, after replacing the 80 rectifier, it works great!

=====  
Boatanchor Pix website - KB8TAD  
<http://oak.cats.ohiou.edu/~postr/bapix/>  
<mailto:postr@ohiou.edu>  
visit the Museum of Radio and Technology website  
Short form redirect <http://zip.to/MRT>  
Full URL <http://oak.cats.ohiou.edu/~postr/MRT/>

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End of BOATANCHORS Digest 2720  
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